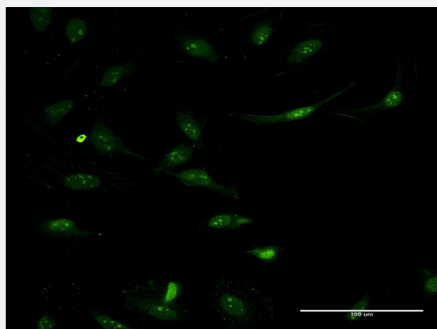


ASS1 monoclonal antibody (M02), clone 2D2

Catalog # H00000445-M02

Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to ASS1 on HeLa cell . [antibody concentration 10 ug/ml]

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ASS1.
Immunogen	ASS1 (NP_000041.2, 121 a.a. ~ 220 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KGNDQVRFELSCYSLAPQIKVIAPWRMPEFYNRFKGRNDLMEYAKQHGIPIVTPKNPWSMDENL MHISYEAGILENPKNQAPPGLYTKTQDPAKAPNTP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (98)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to ASS1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — ASS1

Entrez GeneID [445](#)

GeneBank Accession# [NM_000050](#)

Protein Accession# [NP_000041.2](#)

Gene Name ASS1

Gene Alias ASS, CTLN1

Gene Description argininosuccinate synthetase 1

Omim ID [215700 603470](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene catalyzes the penultimate step of the arginine biosynthetic pathway. There are approximately 10 to 14 copies of this gene including the pseudogenes scattered across the human genome, among which the one located on chromosome 9 appears to be the only functional gene for argininosuccinate synthetase. Mutations in the chromosome 9 copy of ASS cause citrullinemia. Two transcript variants encoding the same protein have been found for this gene . [provided by RefSeq]

Other Designations OTTHUMP00000022362|OTTHUMP00000022363|OTTHUMP00000022364|citrulline--aspartate ligase

Pathway

- [Alanine](#)
- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)